



Pozzolan Senior Process Engineer
Location - TBD
02/22/2022

MISSION & VALUES

Our Mission – Creating opportunities and solutions with quality products and exceptional people
Our Values – Profitability the right way... Integrity, Accountability, Excellence

PRIMARY JOB FUNCTIONS

Under general supervision, support Pozzolan Business Unit by identifying, recommending, and implementing improvements in SRMG's pozzolan mining, grinding, manufacturing and distributions processes to increase productivity, increase product uniformity and quality and reduce costs. Design and manage complex minerals processing test work programs required to support operational improvement and/or capital project development, including but not limited to, comminution, classification, and filtration. This position reports to the Director of Pozzolan Manufacturing.

ESSENTIAL REQUIREMENTS

- This is a safety sensitive position to be performed with a constant state of alertness and in a safe manner
- Wear required safety equipment including but not limited to steel toe boots, hardhats, safety glasses, safety harness, ear plugs, dust masks and gloves
- While performing the duties of this job, the employee is regularly required to stand, sit, demonstrate manual dexterity, climb stairs and ladders, work on elevated platforms, perform repetitious movements
- Work in a quarry or manufacturing plant setting which may include exposure to inclement weather, moving mechanical parts, risk of electrical shock, toxic chemicals, fumes or airborne particles
- Able to lift weights of up to 75 pounds
- Travel to assigned locations as required
- Safely operate mobile and fixed equipment
- Maintain a valid driver license and acceptable driving record
- Pass background checks performed by various utility sites for access to those properties

KNOWLEDGE, SKILLS & ABILITIES

- Bachelor of Science Degree in Mining, Metallurgy, Chemical or related Engineering discipline AND five (5) or more years' experience in the Minerals Processing field
- Excellent verbal and written communication skills
- Ability to communicate company and safety policy and procedures effectively
- Capable of performing mass and energy balances and evaluate PFDs, P&IDs, and other engineering project drawings and documents
- Possess a thorough knowledge of pozzolanic materials and their production, ASTM C618 and other product specifications, and physical/chemical characteristics
- Satisfactorily oversee product quality control incidental to the classification of pozzolanic and other supplemental cementitious materials
- Possess a working knowledge of coal-fired power stations and their ancillary production processes
- Thorough knowledge of equipment commissioning, operating equipment, and process engineering and troubleshooting
- Thorough knowledge of and capability to troubleshoot HMI/PLC-based control systems and other aspects of process automation and industrial instrumentation
- Ability to troubleshoot plant process equipment including pneumatics, hydraulics, dense and dilute phase conveying systems, comminution circuits, screening and classification processes, filtration, and bulk material loadout equipment
- Knowledge of triggers for construction permitting and air quality related requirements
- Experience in project management, capital budgeting, cost forecasting and financial analytics
- Experience in purchasing programs from specifying equipment, creating, and receiving purchase orders
- Possess a high degree of proficiency and knowledge of Microsoft Office suite software products (i.e., Excel, Word, PowerPoint, Project). Experience in VB programming is a plus
- Candidates with a working knowledge of either AutoCAD, SolidWorks, or Revit will be given preference

DUTIES & RESPONSIBILITIES

- Support the strategic development of existing and new pozzolan operations
- Identify, recommend, and implement improvements in SRMG's pozzolan mining, grinding, manufacturing and distributions processes to increase safety, productivity, product uniformity and quality, and reduce costs
- Design and manage complex minerals processing test programs required to support operational improvement and/or capital project development, including but not limited to, comminution, classification, and filtration
- Develop and manage a diverse range of pozzolan capital projects related to harvesting, processing and grinding of coal combustion residuals and/or natural pozzolan materials
- Work with the SRMG Safety and Environmental Departments as required to ensure that assigned facilities are compliant with policies, regulations, and procedures
- Maintain adequate communication with key power plant and utility company personnel to establish and maintain mutually beneficial working relationships
- Perform other duties as required